

ABSTRACT

An apparatus that pulverizes feedstock material with crushers injects a liquefied inert gas into the feedstock material, evaporation of the gas causing the material to become very cold, brittle, facilitating further processing. Very fine finished particle sizes, passing -200 micron mesh screens, result from the use of the apparatus. The apparatus generally requires little maintenance to achieve such small particle size as compared to mechanical crushers. Because of the effect of the inert gas upon the feedstock material, pulverization generally occurs by impact only. A method for pulverizing is also described.